

From: rogers, rick [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BCE033A9EDE7409D944D8AE868394548-RROGER04]
Sent: 8/5/2016 2:43:40 AM
To: Gross, Bonnie [Gross.bonnie@epa.gov]
Subject: RE: PFOS Update for 10/27
Attachments: PFC activities Aug 1.docx

From: Gross, Bonnie
Sent: Thursday, August 04, 2016 2:20 PM
To: rogers, rick <rogers.rick@epa.gov>
Subject: RE: PFOS Update for 10/27

Do you have any briefing papers completed recently that you can share?

From: rogers, rick
Sent: Thursday, August 04, 2016 1:34 PM
To: Gross, Bonnie <Gross.bonnie@epa.gov>
Subject: RE: PFOS Update for 10/27

We are doing a briefing each week for Shawn, Karen M and sometimes Dominique attend and get a hard copy of a briefing paper. We could send it out to a wider audience.

I see details in Vicky's document about sampling results from public/private wells that I'll have to check with Karen J on whether we get them routinely from HSCD, but some of the info is generated through HSCD. To be as comprehensive, we'd have to coordinate across the Divisions to get the regular updates assembled.

<<<<<<<<<<<<<>>>>>>>>>>>>>

Rick Rogers, Associate Director
Office of Drinking Water and Source Water Protection (3WP20)
Water Protection Division
U.S. EPA Region 3
1650 Arch Street
Philadelphia, PA 19103
Tele: 215.814.5711
Fax: 215.814.3163
rogers.rick@epa.gov

From: Gross, Bonnie
Sent: Thursday, August 04, 2016 11:59 AM
To: rogers, rick <rogers.rick@epa.gov>
Subject: FW: PFOS Update for 10/27

Hi Rick,

I've been thinking about yesterday's meeting. I think it would be helpful if our coordination improved. I did an email search and found an update that Vicky Binetti used to put together and send out. I have several, but this is the most recent. At the time, I was in a different job and only involved peripherally. I think this could be useful moving forward. Let me know what you think.

Thanks, Bonnie

From: binetti, victoria

Sent: Monday, October 27, 2014 12:13 PM

To: Capacasa, Jon <Capacasa.jon@epa.gov>; Lueckenhoff, Dominique <Lueckenhoff.Dominique@epa.gov>

Cc: Rodrigues, Cecil <rodrigues.cecil@epa.gov>; Melvin, Karen <Melvin.Karen@epa.gov>; Ajl, Diane <Ajl.Diane@epa.gov>; Arguto, William <Arguto.William@epa.gov>; Beach, Bruce W. <beach.bruce@epa.gov>; Bennett, James <bennett.james@epa.gov>; Brown-Perry, Kinshasa <Brown-Perry.Kinshasa@epa.gov>; damm, thomas <Damm.Thomas@epa.gov>; Dietz, Linda <Dietz.Linda@epa.gov>; duteau, helen <Duteau.Helen@EPA.GOV>; Epps, John <epps.john@epa.gov>; Estornell, Paula <Estornell.Paula@epa.gov>; Field, Stephen <Field.Stephen@epa.gov>; Gray, Heather <Gray.Heather@epa.gov>; Gross, Bonnie <Gross.bonnie@epa.gov>; Heston, Gerald <Heston.Gerald@epa.gov>; Hoover, Michelle <Hoover.Michelle@epa.gov>; Jamieson, Cheryl <Jamieson.Cheryl@epa.gov>; Johnson, Joan-A <Johnson.Joan-A@epa.gov>; Johnson, KarenD <Johnson.KarenD@epa.gov>; Kier, Lori <Kier.Lori@epa.gov>; Kloss, Sarah <Kloss.Sarah@epa.gov>; Koffi, LaRonda <Koffi.LaRonda@epa.gov>; Leipert, Mark <leipert.mark@epa.gov>; Leonard, Paul <leonard.paul@epa.gov>; Ludzia, Peter <Ludzia.Peter@epa.gov>; Matzko, Kristine <Matzko.Kristine@epa.gov>; Miller, Linda <miller.linda@epa.gov>; Nappi, Gina <Nappi.Gina@epa.gov>; nishitani, brian <nishitani.brian@epa.gov>; Parent, Suzanne <Parent.Suzanne@epa.gov>; Reinhart, Roger <Reinhart.Roger@epa.gov>; Reynolds, Lori <Reynolds.Lori@epa.gov>; Smith, Bonnie <smith.bonnie@epa.gov>; White, Terri-A <White.Terri-A@epa.gov>; Wright, Dave <Wright.Dave@epa.gov>

Subject: PFOS Update for 10/27

PFOS Update –10/27/14

Willow Grove (Naval Air Station Joint Reserve Base, NASJRB)

- As of 10/24/14, 164 private wells have been sampled and an additional 86 are pending
 - As of 10/24, validated results had been received for 98 private wells; of these, 11 exceeded the provisional health advisory (PHA) level for PFOS and/or PFOA, and residences have been provided bottled water
 - Two wells had PFOA present at 5 and 3.7 µg/L, and several additional wells showed PFOA and/or PFOS levels above 1 µg/L.
 - Nine of the 11 high concentrations were clustered near the fire training/fire pit area at Willow Grove NASJRB (and near Horsham Water and Sewer Authority (HWSA) well #26). This area had levels of PFOA as high as 31 µg/L
 - The Navy agreed with EPA recommendation that all residences with private wells in this immediate vicinity be offered bottled water until their wells are tested; EPA team has canvassed area door-to-door and 17 properties have now been provided alternate water in this area
 - ATSDR and HSCD toxicologists have also called residents with the highest PFOA levels to address health questions and concerns, and plan to make personal contact with residents having results >1 µg/L PFOA or PFOS
 - Because of variability of results, Navy has agreed to re-sample private wells with first round results of PFOS >0.05 µg/L and PFOA >0.10 µg/L (benchmarks are 25% of respective PHAs)
- As of 10/24, all of the validated private well results for 1,4-dioxane are non-detect (1,4-dioxane also detected at NASJRB)
- US Air Force (USAF)/Air National Guard (ANG) conducted public water supply well sampling for 1,4-dioxane, in response to EPA's request (with PADEP concurrence); results still pending

- Air Guard still researching potential sources of PFCs, contacting other sources for historical information to supplement their response to EPA's SDWA §1445 Information Request

Horsham Water and Sewer Authority (HWSA)

- While HWSA public supply wells #21, #26 and #40 are out of service (#21 for maintenance, #26 and #40 because of contamination), contractors are conducting geophysical logging; USGS (under Navy's authorization) will perform logging to record lithology, water bearing zones etc. and then perform packer tests sampling discrete water bearing zones starting week of 10/27
 - Information from these studies will help determine whether water bearing zones can be isolated from contaminants in ground water, potentially keeping wells viable for return to service and/or reducing cost of treatment
 - EPA staff anticipate observing packer tests
- HWSA reports numbers of calls from customers are diminishing, but continue at low frequency
 - Some customers are requesting sampling of their water
 - Some concerns expressed regarding potential persistence of PFCs in premise plumbing, a proposal was made by the Navy to sample the HWSA office building as a replacement location for well #21 this month to demonstrate whether PFCs remain after the source has been eliminated.
- Navy will take lead on revisiting Qs & As, and consider additional questions they have heard from HWSA customers and private well owners
 - Objective is to develop revised Frequently Asked Questions (FAQs), including EPA input, for websites and distribution
- Update calls (HWSA, Aqua PA, Navy, ANG, EPA and PADEP), requested by HWSA, will now occur on bi-weekly schedule
 - Next call scheduled for Wednesday, 10/29, 2 pm

Warminster (Naval Air Warfare Center)

- Re-sampling ongoing in Warminster target area sampled; several others scheduled
 - As noted above (Willow Grove), Navy has agreed to re-sample all private wells with first round results of PFOS >0.05 µg/L and PFOA >0.10 µg/L (benchmarks are 25% of respective PHAs)
- Navy has submitted quarterly report under SDWA § 1431 order
 - Navy reports discussions are proceeding with Warminster Township Municipal Authority regarding treatment at three public water supply wells (#10, #13 and #26) affected by PFOS levels above PHA
 - Navy is developing procedures for public water hook-up for residences where private well testing shows PFOS and/or PFOA above PHAs

Artesian/New Castle

- Technical team for New Castle County Airport area investigation (EPA WPD and HSCD and DNREC) met with DANG and contractors on 10/16/14 to review existing information on monitoring wells, hydrogeology, potential sources of PFOS/PFOA
 - DANG participants very cooperative and offer significant expertise
 - Group identified approximately 20-25 potential monitoring locations (some with existing monitoring wells) to characterize PFCs related to DANG and NCCA
 - Respective agency roles in additional sampling effort under discussion
- EPA letter to USAF/Air National Guard citing EPA authorities to request their participation in contaminant investigation expected to be issued week of 10/24, following review by RA and signature by WPD
 - Letter is intended to encourage AF cooperation in follow-up monitoring and site investigation efforts
 - Letter expected to enable USAF/DANG identify funding options for site actions
- Wilmington Manor community organization is planning meeting on 10/27; participation by DE DHSS/Public Health, DNREC and Artesian Water anticipated; EPA was not invited to participate

United Water PA/Susquehanna Area Regional Airport Authority (SARAA)

- No significant new activity to report

- SARAA still awaiting PADEP permit decision/approval for treatment of public water supply wells (note that they are currently providing water below provisional health advisory level for PFOS, but want to assure reduction/elimination of contaminant in supply)

Other

- Letter to Tidewater Utilities (owner/operator of Dover Air Force Base public water system) is in preparation by WPD, to request sampling for PFCs
 - The public water system at Dover AFB is not scheduled to sample for PFCs under UCMR3, so a special request is needed; Delaware DHSS/Public Health has recommended that EPA take lead on requesting Tidewater to conduct PFC sampling
 - Public water system wells are reportedly protected, completed in confined aquifer
 - Initial data from Dover Air Force Base ground water sampling are expected in early November with validated data in December.
 - If it is confirmed that PFC's are present in onsite ground water wells, the letter will be sent to Tidewater, since we've learned that there are residential users as well as a day care hooked up to the source
 - DNREC has also asked EPA to sample a nearby residence that has two wells completed into two different formations as a means to determine if private wells may be impacted
- Frequency of internal PFC briefings will be reduced to weekly, Wednesdays at 3:30-4:30. United Water PA status will be removed from agenda unless further activity is warranted

Victoria P. Binetti
 Associate Director, Water Protection Division
 US Environmental Protection Agency, Region III
 Phone: 215-814-5757
 Fax: 215-814-2302
binetti.victoria@epa.gov